

FIG. 1

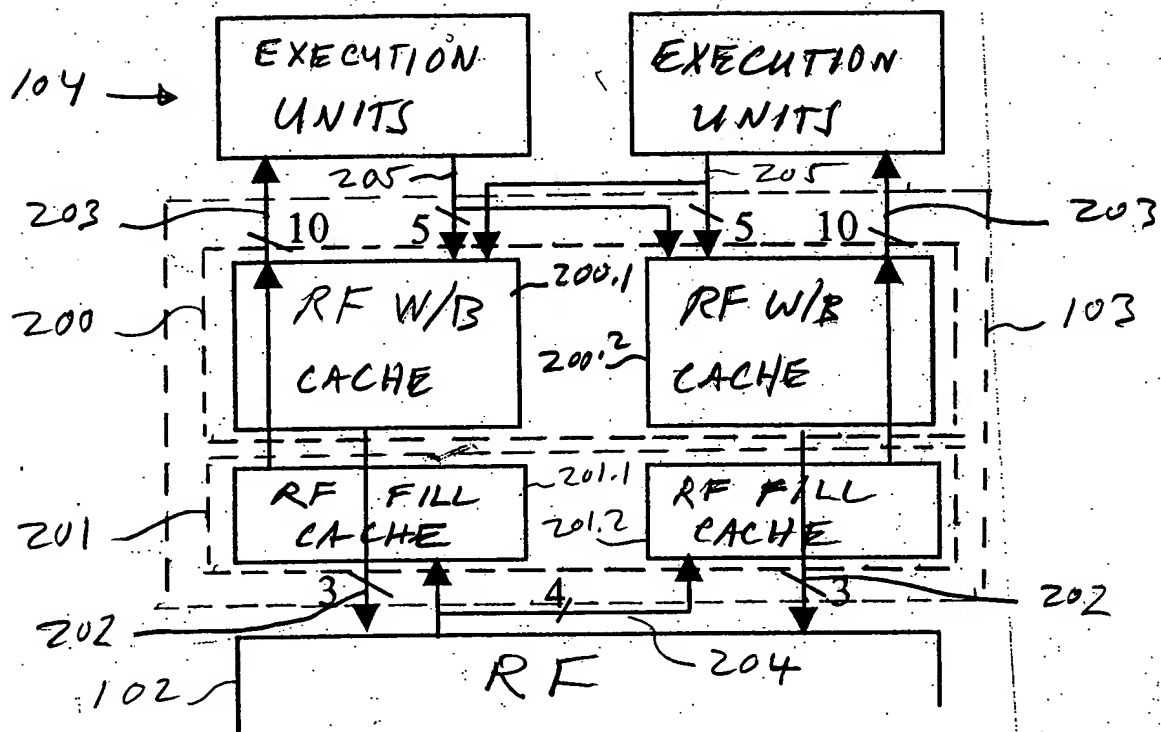


FIG. 2

SEARCH FOR OPERANDS IN THE REGISTER FILE CACHE ~ 300

IF THE OPERANDS ARE FOUND IN THE REGISTER FILE CACHE, READ THE OPERANDS FROM THE REGISTER FILE CACHE AND SUPPLY THEM TO AN EXECUTION UNIT ~ 301

EXECUTE THE INSTRUCTION CORRESPONDING TO THE OPERANDS; WRITE A RESULT IN THE RF W/B CACHE ~ 302

IF THE OPERANDS ARE NOT FOUND IN THE REGISTER FILE CACHE, READ THE OPERANDS FROM THE REGISTER FILE AND SUPPLY THEM TO AN EXECUTION UNIT; COPY THE OPERANDS INTO THE RF FILL CACHE ~ 303

EXECUTE THE INSTRUCTION CORRESPONDING TO THE OPERANDS; WRITE A RESULT IN THE RF W/B CACHE ~ 304

FIG. 3



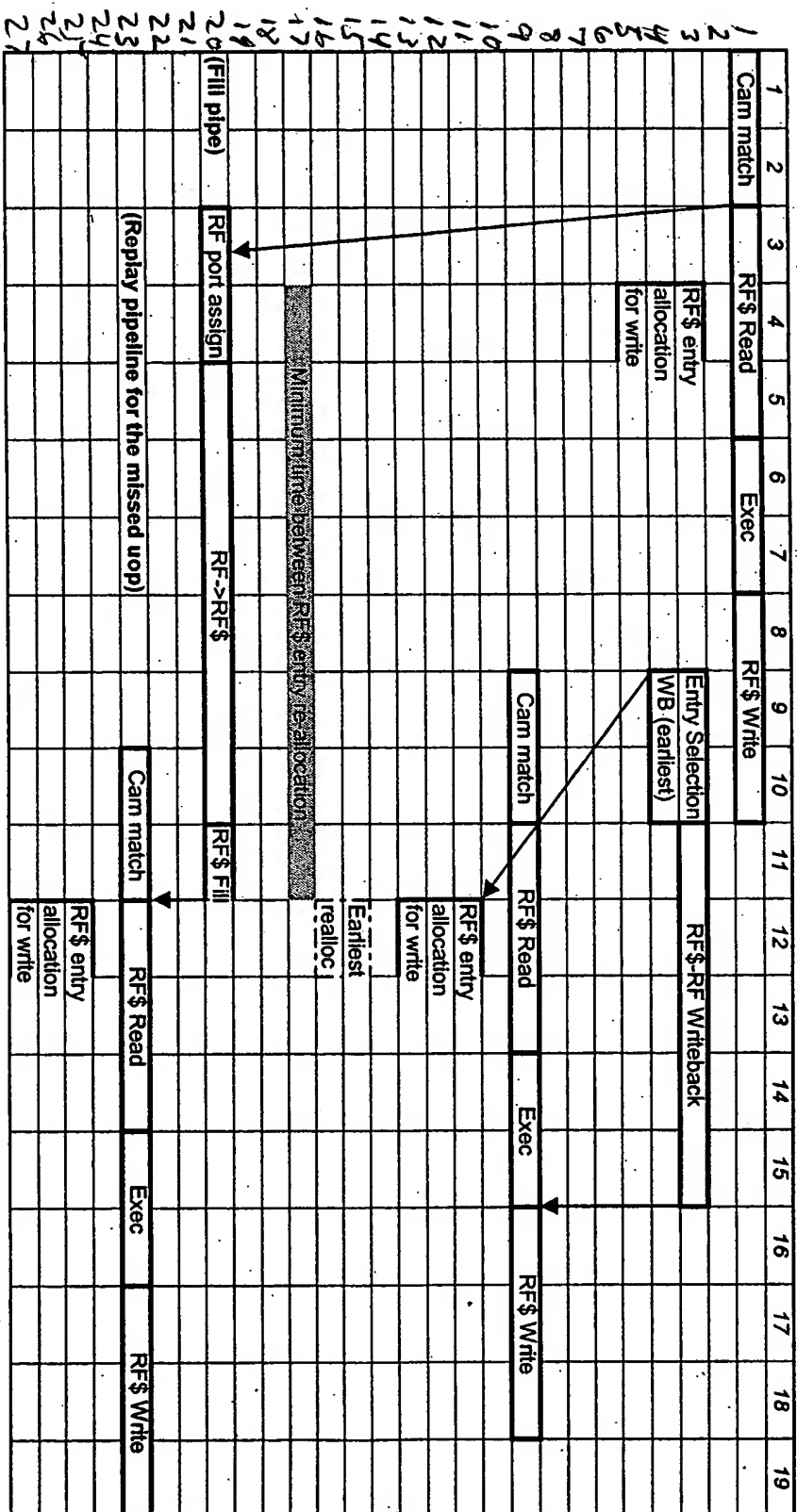


FIG. 4B

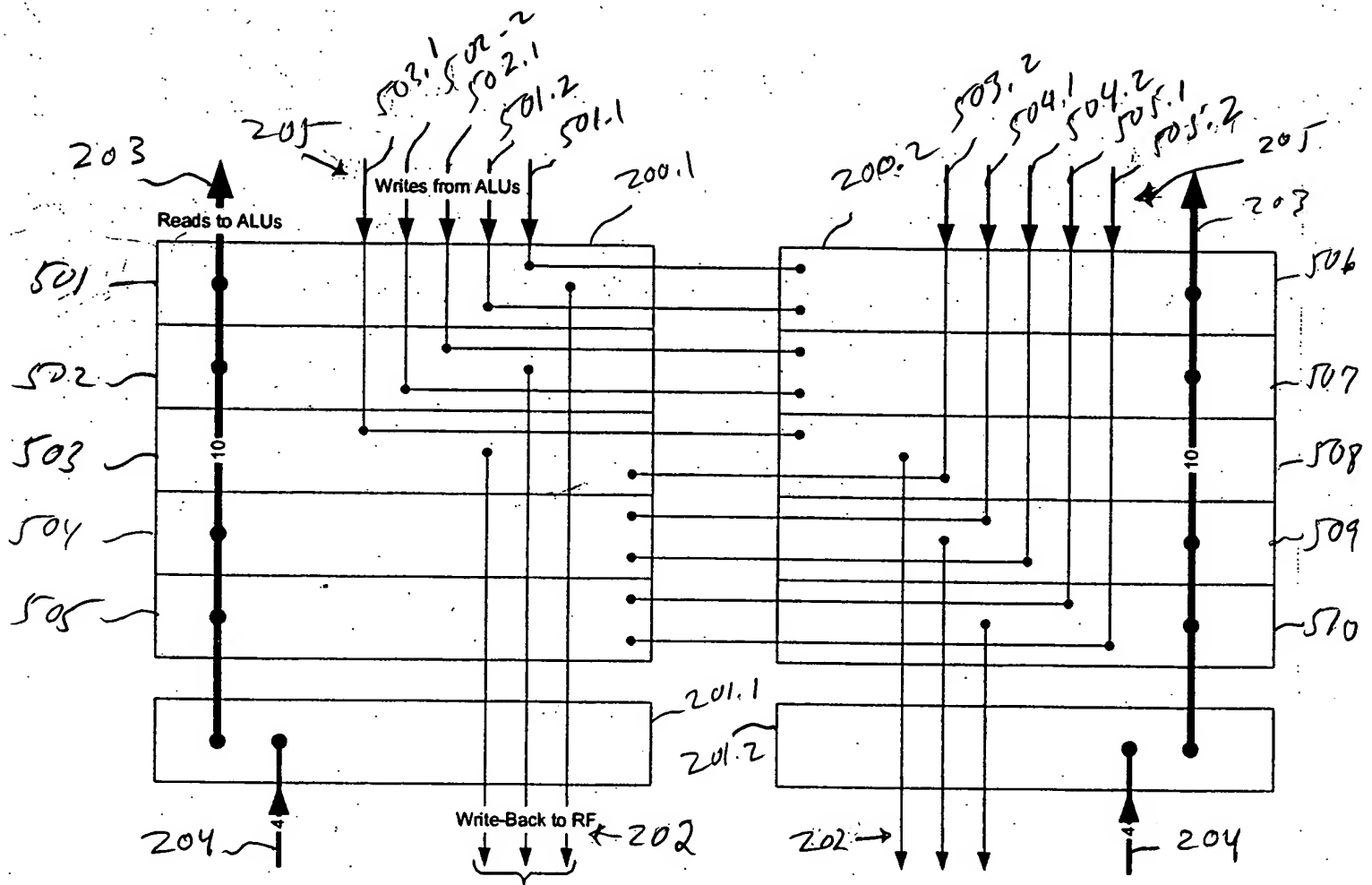


FIG. 5

**FIG. 6**

